

Claims

1. A computer-implemented method for implementing an integrated testing and monitoring system for testing and monitoring applications, the method comprising:

(a) providing at least one integrated interface capable of controlling at least two monitoring programs which each send test signals to respective applications and receive results responsive to the test signals;

(b) initiating the monitoring programs through the integrated interface;

(c) setting property values for the monitoring programs through the integrated interface;

(d) displaying results from the monitoring programs through the integrated interface;

wherein at least one of the monitoring programs sends test signals using HTTP-compliant communications; and

wherein a second of the monitoring programs sends test signals using TCP/IP-compliant communications.

2. The computer-implemented method of claim 1, wherein the second of the monitoring programs sends test signals using CORBA-compliant communications.

3. The computer-implemented method of claim 1, further comprising:

(e) sending notification based on results from at least one of the monitoring programs.

4. The computer-implemented method of claim 3, wherein the notification comprises paging numbers designated in the property values of the at least one monitoring program.

5. The computer-implemented method of claim 3, wherein the notification comprises sending e-mail to at least one e-mail address designated in the property values of the at least one monitoring program.

6. The computer-implemented method of claim 1, further comprising:

(e) reporting the results from the monitoring programs.

7. The computer-implemented method of claim 6, wherein reporting the results comprises sending notification based on the presence of predefined results.

8. The computer-implemented method of claim 6, wherein reporting the results comprises recording the results in a datastore.

9. The computer-implemented method of claim 8, wherein recording the results in a datastore comprises storing the results in a text file.

10. The computer-implemented method of claim 8, wherein recording the results in a datastore comprises storing the results in a relational database.

11. The computer implemented method of claim 8, wherein the results comprise the response time from the sending of the test signal to the receiving of a response by the monitoring program and the time at which the test signal was sent; and further comprising:

(f) analyzing the response time for the respective applications in conjunction with the time the test signals were sent to evaluate time-based load of the monitored applications;

(g) adjusting system resources allocated to the monitored applications based on the analysis.

12. The computer-implemented method of claim 1, wherein the at least one integrated interface comprises an administrative graphics user interface.

13. The computer-implemented method of claim 12, wherein the administrative graphics user interface comprises an XWindows graphics user interface.

14. The computer-implemented method of claim 1, wherein the at least one integrated interface comprises a command line input tool.

15. The computer-implemented method of claim 14, wherein the command line input tool comprises a UNIX command tool.

16. The computer-implemented method of claim 1, wherein the at least one integrated interface comprises a web browser.

17. The computer-implemented method of claim 1, wherein the at least one integrated interface comprises at least two integrated interfaces selected from the group consisting of an administrative graphical user interface, a command tool, and a web browser.

For the purpose of this document, the term "integrated" is defined as a single, unified interface that combines the functions of multiple separate interfaces into a single, cohesive user experience.

18. A computer program product for implementing an integrated testing and monitoring system for testing and monitoring applications, the computer program product comprising:

- (a) computer code that creates at least one integrated interface capable of controlling at least two monitoring programs which each send test signals to respective applications and receive results responsive to the test signals; wherein at least one of the monitoring programs sends test signals using http-compliant communications; and wherein a second of the monitoring programs sends test signals using TCP/IP-compliant communications
- (b) computer code that initiates the monitoring programs through the integrated interface;
- (c) computer code that sets property values for the monitoring programs through the integrated interface;
- (d) computer code that displays results from the monitoring programs through the integrated interface; and
- (e) a computer readable medium that stores the computer codes.

19. A computer program product as recited in claim 18 wherein the computer readable medium is a code representation embodied in a carrier wave.

20. A computer program product for implementing an integrated testing and monitoring system for testing and monitoring applications, the computer program product comprising:

(a) computer code that creates at least two integrated interfaces selected from the group consisting of an administrative graphical user interface, a command tool, and a web browser, wherein the interfaces are capable of controlling at least two monitoring programs which each send test signals to respective applications and receive results responsive to the test signals; wherein at least one of the monitoring programs sends test signals using HTTP-compliant communications; and wherein a second of the monitoring programs sends test signals using TCP/IP-compliant communications

(b) computer code that initiates the monitoring programs through at least one of the integrated interfaces;

(c) computer code that sets property values for the monitoring programs through at least one of the integrated interfaces;

(d) computer code that displays results from the monitoring programs through at least one of the integrated interfaces; and

(e) a computer readable medium that stores the computer codes.